



Intertidal Monitoring Update

Scott Mazzone

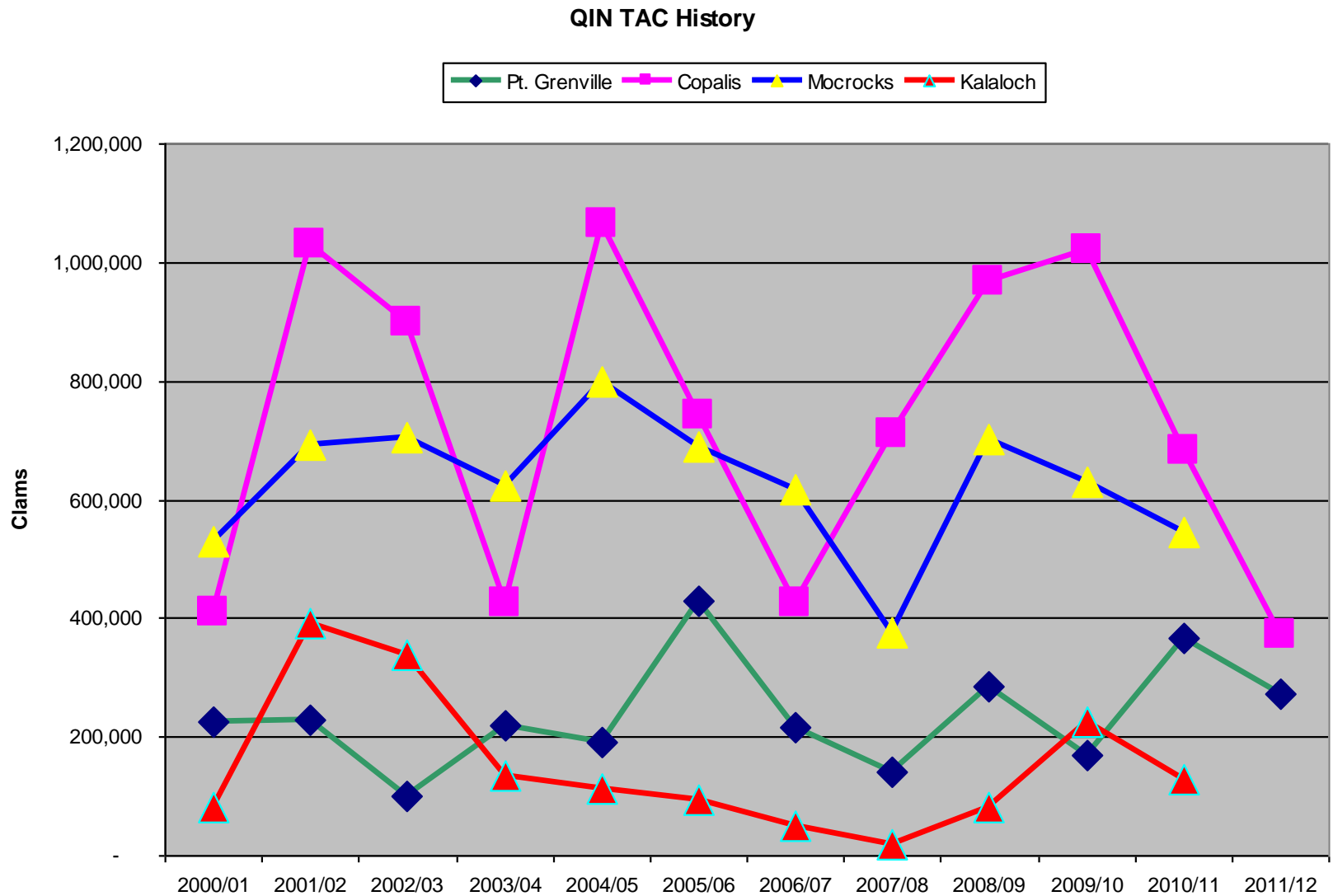
Marine fish / Shellfish Biologist

Quinault Indian Nation

Razor Clam Surveys

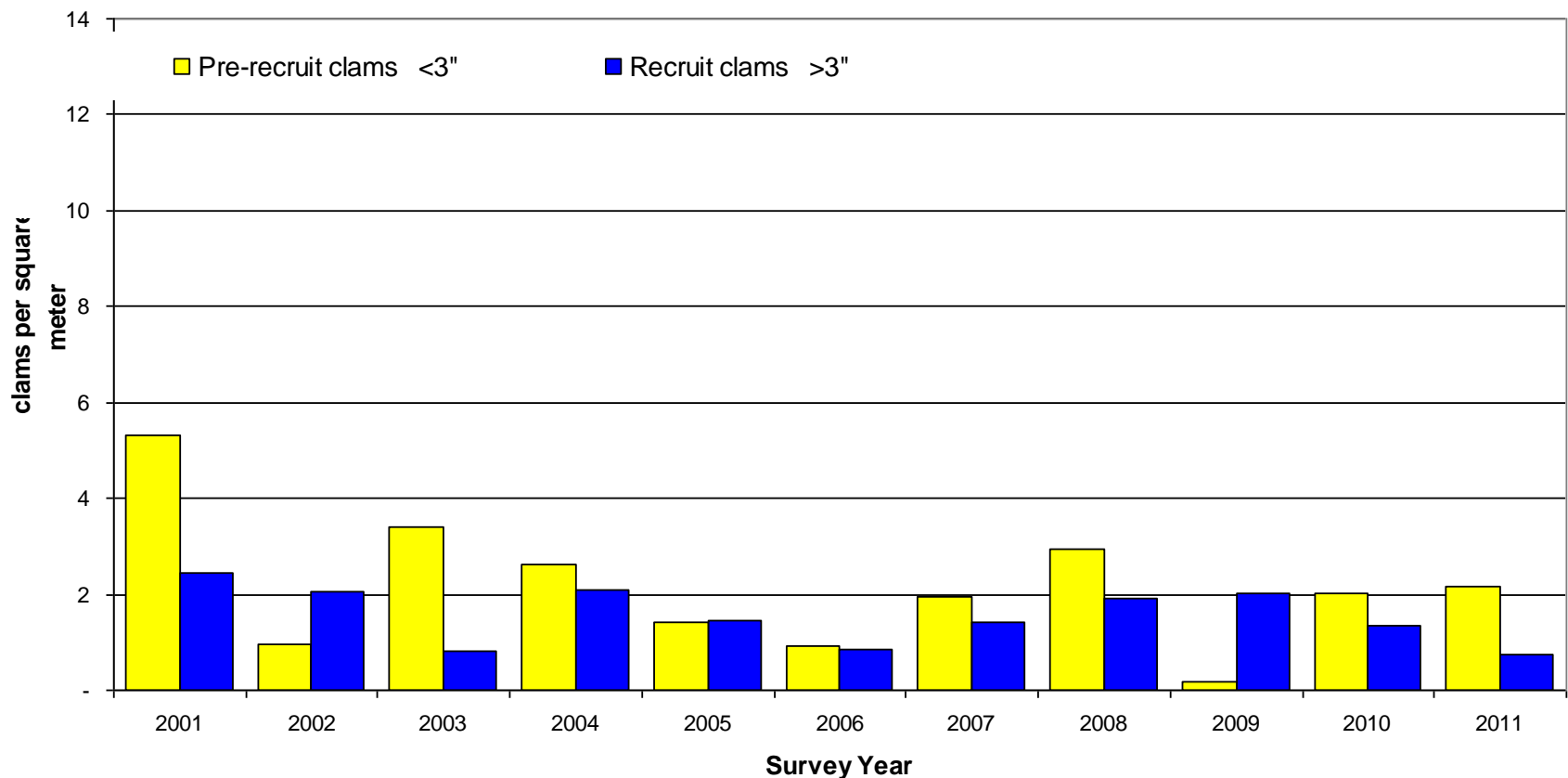


QIN TAC History



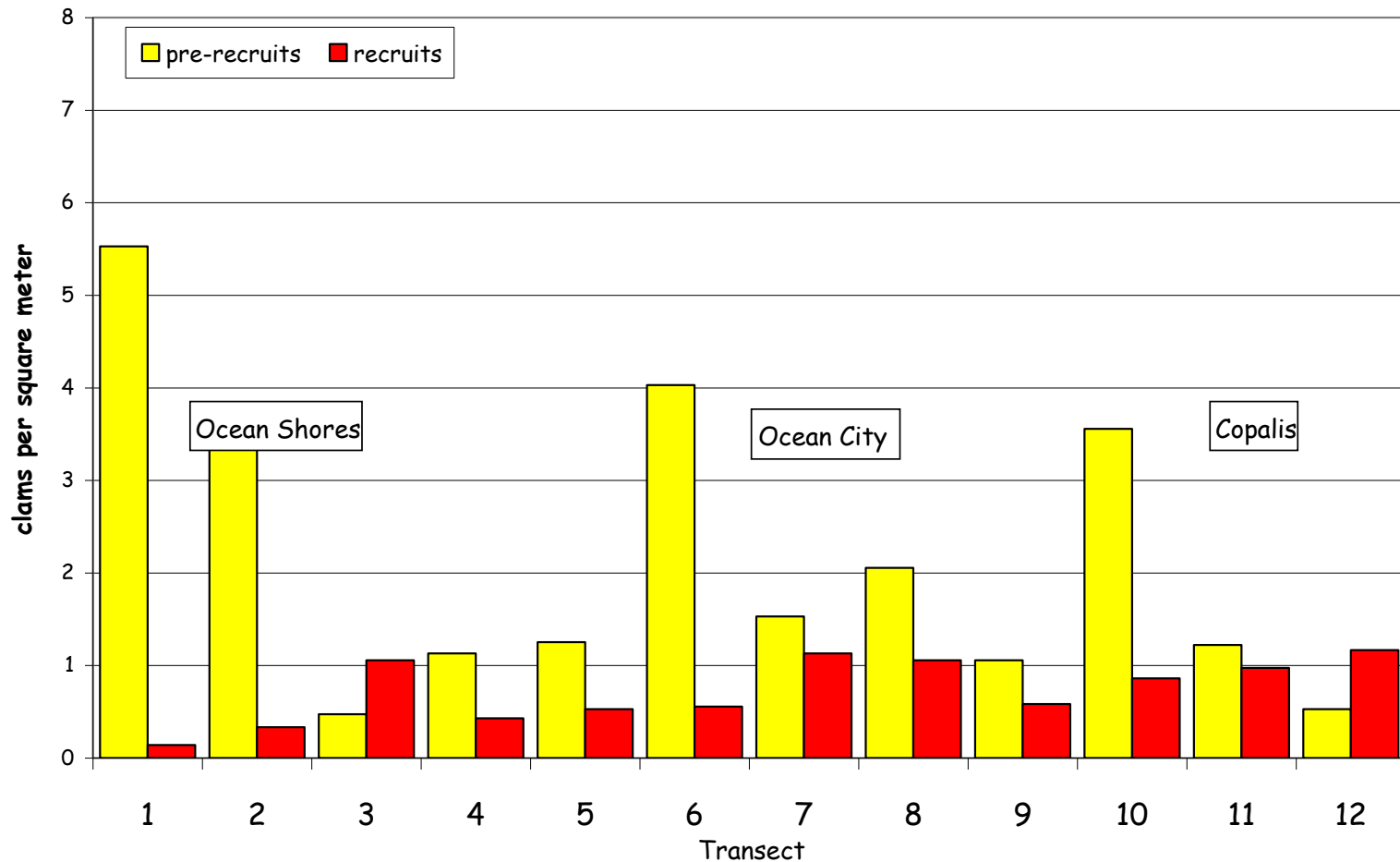
Copalis Beach

Clam Density on Copalis Beaches From Population Surveys 2001-2011



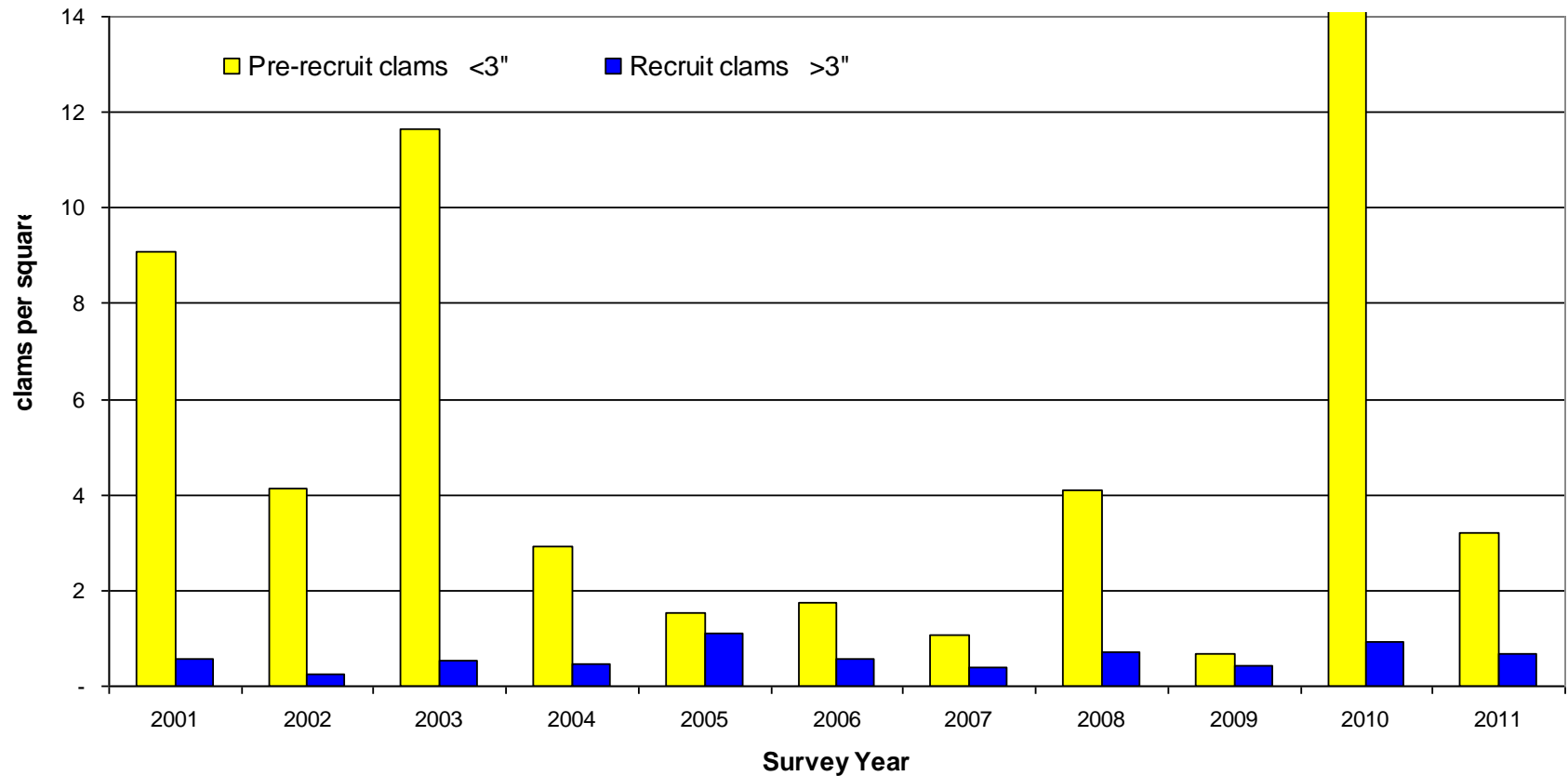
Copalis Clam Distribution

Copalis Razor Clam Population Distribution - 2011



Pt Grenville

Clam Density on Grenville Beach from Population Surveys 2001-11



MARINe

Multi-Agency Rocky Intertidal Network

- Established by University of California
- Operating for 20+ years
- Multiple agencies involved
- Over 200 sampling sites
- Stretching from Southern California to Alaska
- Central location for data recording and analysis

New Sampling Locations



Monitoring Protocol:

- Establish sites
- Identify key species
- Conduct yearly field studies
- Transects and photo plots
- Cover lower, mid and upper intertidal zones
- Document findings
- Compile yearly data
- Analyze data

Data Collected

- Key species present/absent
- Abundance
- Size (length/width)
- Photo documentation
- Other species present
- Noticeable disturbances
- Weather conditions
- Sea water parameters



Wish List



Enter the SeaFET sensors



Todd Martz,
Scripps Institution of Oceanography



Todd Martz et al., 2010. L & O:

Questions?

